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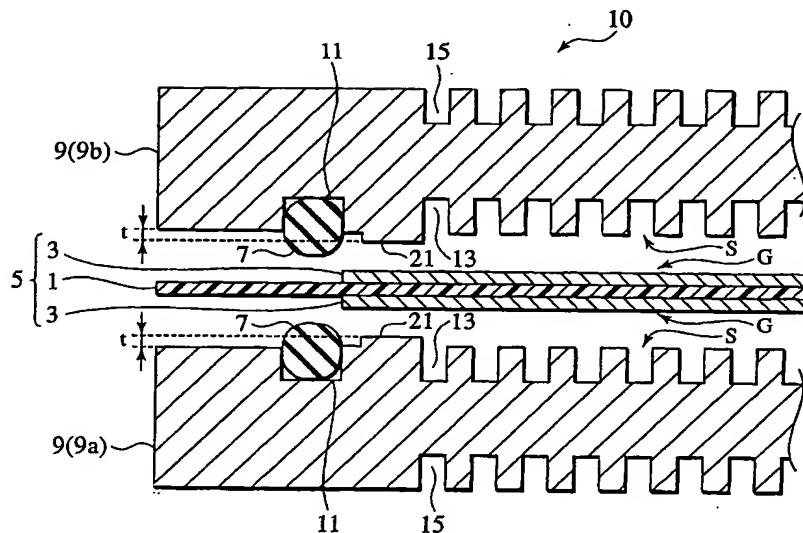
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- (71) Applicant (for all designated States except US): NISSAN MOTOR CO., LTD. [JP/JP]; 2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 (JP). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUEL CELL AND RELATED MANUFACTURING METHOD



(57) Abstract: A fuel cell includes an electrode membrane structural body (5) and a pair of separators (9, 9) between which the electrode membrane structural body is sandwiched. The electrode membrane structural body includes an electrolyte membrane (1) and a pair of gas diffusion layers (3, 3) formed on both surfaces of the electrolyte membrane and serving as electrodes. Each of the pair of separators has gas flow channels (13) to allow gas to be supplied to associated one of the gas diffusion layers. A porosity of the associated one of the pair of gas diffusion layers at an area outside the gas flow channels is lower than that at an area facing the gas flow channels.

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